

ABSTRACT

An integrated control system for a motor vehicle including at least one drive axle having left and right axle shafts each provided with a wheel mounted thereon. The integrated control system comprises a vehicle torque control system, a vehicle body roll control system, and a common source of a fluid pressure provided to operate both the vehicle body roll control system and the vehicle torque control system. The vehicle torque control system includes at least one fluid actuated clutch provided to regulate a drive torque distribution between the wheels of the motor vehicle in order to improve traction of the motor vehicle on a drive surface. The vehicle body roll control system includes at least one force device provided to tilt a vehicle body relative to a vehicle chassis so as to counteract a rollover-inducing force.